

REMARKS

Claims 1 and 57 have been amended to reflect that the first particle and the second particle are in a tail-to-tail arrangement, and that the nucleic acid enzyme is between the second polynucleotide and the third polynucleotide. The amendment is supported by the specification (page 7, second and third full paragraphs; page 25, first paragraph) and Figure 3B.

As illustrated in Figure 3B, the parts of the complex are arranged along the substrate from the 5' end to the 3' end of the first polynucleotide in the following order: second polynucleotide, nucleic acid enzyme, third polynucleotide. This yields the tail-to-tail structure of the complex, as specified in the claims as amended.

Claims 17-22, 50, 51, 52-56, and 70 have been canceled. No new matter has been added. Upon entry of this amendment, claims 1-5, 42-49, 57-69, and 71 are active and present in the application.

Request for Reconsideration

Applicants would like to thank Examiners Pande and Strzelecka for the courteous and helpful discussion held on April 8, 2008 with Applicants' representatives. During this discussion, the structure of the complex of the sensor of the invention was discussed, as well as how it should be claimed.

In the Advisory Action dated March 18, 2008 it was remarked that the claims do not recite a tail-to-tail arrangement (Advisory Action of March 18, 2008, page 2, second paragraph). As set forth above, the claims as presently amended specifically provide sensors that include complexes with a tail-to-tail arrangement.

Applicants submit that the application is in condition for allowance. Early notice of such action is earnestly solicited.

Respectfully submitted,



W. John Keyes, Ph.D.
Registration No. 54,218

Evan Law Group LLC
600 West Jackson
Suite 625
Chicago, Illinois 60661
(312) 876-1400